

Title (en)
DETECTING AND RESPONDING TO ANTI-TACHYARRHYTHMIA SHOCKS

Title (de)
ERKENNUNG UND REAKTION AUF ANTI-TACHYARRHYTHMIE-SCHOCKS

Title (fr)
Détection et réponse à des chocs anti-tachyarythmie

Publication
EP 3448506 B1 20200219 (EN)

Application
EP 17724150 A 20170426

Priority
• US 201615141758 A 20160428
• US 2017029562 W 20170426

Abstract (en)
[origin: US2017312510A1] In some examples, an implantable medical device determines that another medical device delivered an anti-tachyarrhythmia shock, and delivers post-shock pacing in response to the determination. The implantable medical device may be configured to both detect the delivery of the shock in a sensed electrical signal and, if delivery of the shock is not detected, determine that the shock was delivered based on detection of asystole of the heart. The asystole may be detected based on the sensed electrical signal. In some examples, an implantable medical device is configured to revert from a post-shock pacing mode to a baseline pacing mode by iteratively testing a plurality of decreasing values of pacing pulse magnitude until loss of capture is detected. The implantable medical device may update a baseline value of the pacing pulse magnitude for the baseline mode based on the detection of loss of capture.

IPC 8 full level
A61N 1/05 (2006.01); **A61N 1/362** (2006.01); **A61N 1/37** (2006.01)

CPC (source: EP US)
A61N 1/056 (2013.01 - EP US); **A61N 1/3621** (2013.01 - EP US); **A61N 1/365** (2013.01 - US); **A61N 1/3712** (2013.01 - EP US); **A61N 1/37288** (2013.01 - US); **A61N 1/3756** (2013.01 - US); **A61N 1/3962** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 10232182 B2 20190319; **US 2017312510 A1 20171102**; CN 109069834 A 20181221; CN 109069834 B 20230613; EP 3448506 A1 20190306; EP 3448506 B1 20200219; US 10722717 B2 20200728; US 2018185640 A1 20180705; WO 2017189676 A1 20171102

DOCDB simple family (application)
US 201615141758 A 20160428; CN 201780026518 A 20170426; EP 17724150 A 20170426; US 2017029562 W 20170426; US 201815910032 A 20180302